



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Attorney Docket Number

056754/0119588

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/William Phillip Fletcher III/

07/10/2006

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Substitute for form 1449B/PTO  <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>				<b>Complete if Known</b> Application Number    10/621,897 Filing Date            7/17/2003 First Named Inventor   Jacobson, Joseph M. Art Unit                1711 Examiner Name 	
Sheet	2	of	5	Attorney Docket Number	056754/0119588

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite <sup>2</sup> No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
WPF	L1	AHMED, F.R. et al., "Bis(Diacetylene)s I: Langmuir-Blodgett Films," <i>Thin Solid Films</i> , 1990, 141-153, Vol. 187.	
	L2	ALAMI, Mouad et al., "A Convenient Route to Unsymmetrical Conjugated Diynes," <i>Tetrahedron Letters</i> , 1996, 2763-2766, Vol. 37:16.	
	L3	ARCHER, Eric A. et al., "Nanostructured Polymer Duplexes via the Covalent Casting of 1-Dimensional H-Bonding Motifs: A New Strategy for the Self-Assembly of Macromolecular Precursors," <i>J. Am. Chem. Soc.</i> , 2000, 5006-5007, Vol. 122:20.	
	L4	BATCHELDER, D.N. et al., "Self-Assembled Monolayers Containing Polydiacetylenes," <i>J. Am. Chem. Soc.</i> , 1994, 1050-1053, Vol. 116:3.	
	L5	BOAL, Andrew K. et al., "Binary and Ternary Polymer-Mediated "Bricks and Mortar" Self-Assembly of Gold and Silica Nanoparticles," <i>Adv. Funct. Mater.</i> , December 2001, 461-465, Vol. 11:6.	
	L6	CHAN, Kwok C., et al., "Polymeric Self-Assembled Monolayers. 3. Pattern Transfer by Use of Photolithography, Electrochemical Methods, and an Ultrathin Self-Assembled Diacetylenic Resist," <i>J. Am. Chem. Soc.</i> , 1995, 5875-5876, Vol. 117:21.	
	L7	CRISP, Geoffrey T. et al., "Preparation of Biological Labels with Acetylenic Linker Arms," <i>Tetrahedron</i> , 1997, 1505-1522, Vol. 53:4.	
	L8	FULLAM, Stephen et al., "Carbon Nanotube Templated Self-Assembly and Thermal Processing of Gold Nanowires," <i>Adv. Mater.</i> , October 2, 2000, 1430-1432, Vol. 12:19.	
	L9	KIM, Taisun et al., "Polymeric Self-Assembled Monolayers. 2. Synthesis and Characterization of Self-Assembled Polydiacetylene Mono- and Multilayers," <i>J. Am. Chem. Soc.</i> , 1995, 3963-3967, Vol. 117:14.	
	L10	KOHLI, P. et al., "Applying Polymer Chemistry to Interfaces: Layer-by-Layer and Spontaneous Growth of Covalently Bound Multilayers," <i>Langmuir</i> , 2000, 4655-4661, Vol. 16:10.	
	▼	L11	KOHLI, P. et al., "Assembly of Covalently-Coupled Disulfide Multilayers on Gold," <i>J. Am. Chem. Soc.</i> , 11962-11968, 1998, Vol. 120:46.

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				Application Number	10/621,897
				Filing Date	7/17/2003
				First Named Inventor	Jacobson, Joseph M.
				Art Unit	1711
				Examiner Name	
Sheet	3	of	5	Attorney Docket Number	056754/0119588

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WPF	L12	LEE, Seok-Won et al., "Molecular Adsorption of n-Alkyl Amines, Carboxylic Acids, and Amides onto Well-Defined, Polar Organic Surfaces," <i>Israel Journal of Chemistry</i> , 2000, 99-106, Vol. 40.		
	L13	LEFF, Daniel V. et al., "Synthesis and Characterization of Hydrophobic, Organically-Soluble Gold Nanocrystals Functionalized with Primary Amines," <i>Langmuir</i> , 1996, 4723-4730, Vol. 12:20.		
	L14	LEWIS, Penelope A. et al., "The Role of Buried Hydrogen Bonds in Self-Assembled Mixed Composition Thiols on Au(111)," <i>J. Phys. Chem. B</i> , 2001, 10630-10636, Vol. 105:43.		
	L15	LI, Xiaoyu et al., "DNA-Catalyzed Polymerization," <i>J. Am. Chem. Soc.</i> , 2002, 746-747, Vol. 124:5.		
	L16	LIBIOLLE, Laurent et al., "Contact-Inking Stamps for Microcontact Printing of Alkanethiols on Gold," <i>Langmuir</i> , 1999, 300-304, Vol. 15:2.		
	L17	MAOZ, Rivka et al., "Self-replicating amphiphilic monolayers," <i>Nature</i> , November 14, 1996, 150-153, Vol. 384.		
	L18	MAOZ, Rivka et al., "Targeted Self-Replication of Silane Multilayers," <i>Adv. Mater.</i> , 1998, 580-584, Vol. 10:8.		
	L19	MATSUI, Hiroshi et al., "Bolaamphiphile Nanotube-Templated Metallized Wires," <i>J. Phys. Chem. B.</i> , 2000 9576-9579, Vol. 104:41.		
	L20	MATSUMOTO, Jin et al., "Molecular Recognition and Photopolymerization of Nucleobase Monolayer Containing Diacetylene Group at the Air-Water Interface," <i>Chemistry Letters</i> , 2000, 1280-1281.		
	L21	MIURA, Yoshiko et al., "Multilayer formation of oriented helical peptides glued by hydrogen bonding," <i>Thin Solid Films</i> , 2001, 59-65, Vol. 393.		
	L22	MORIGAKI, Kenichi et al., "Patterning Solid-Supported Lipid Bilayer Membranes by Lithographic Polymerization of a Diacetylene Lipid," <i>Angew. Chem Int. Ed.</i> , 2001, 172-174, Vol. 40:1.		

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		First Named Inventor	Jacobson, Joseph M.		
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WPF	L23	MUSICK, Michael D. et al., "Metal Films Prepared by Stepwise Assembly. 2. Construction and Characterization of Colloidal Au and Ag Multilayers," <i>Chem. Mater.</i> , 2000, 2869-2881, Vol. 12:10.	
	L24	NARAYANA RAO, M. Lakshmi et al., "A Simple Convenient Method for the Synthesis of 1-Iodoalkynes," <i>Synthetic Communications</i> , 1995, 2295-2299, Vol. 25:15.	
	L25	NUZZO, Ralph G. et al., "Fundamental Studies of Microscopic Wetting on Organic Surfaces. 1. Formation and Structural Characterization of a Self-Consistent Series of Polyfunctional Organic Monolayers," <i>J. Am. Chem. Soc.</i> , 1990, 558-569, Vol. 112:2.	
	L26	PALACIN, Serge et al., "Building Two-Dimensional Polymers by the Langmuir-Blodgett Technique," <i>Thin Films</i> , 1995, 69-82, Vol. 20.	
	L27	RINGS DORF, Helmut et al., "Molecular Architecture and Function of Polymeric Oriented Systems: Models for the Study of Organization, Surface Recognition, and Dynamics of Biomembranes," <i>Angew. Chem. Int. Ed. Engl.</i> , 1988, 113-158, Vol. 27.	
	L28	SAITO, Noriko et al., "Low-Temperature Fabrication of Light-Emitting Zinc Oxide Micropatterns Using Self-Assembled Monolayers," <i>Adv. Mater.</i> , 2002, 418-421, Vol. 14:6.	
	L29	SHIMOMURA, M. et al., "DNA-mimetics: towards novel molecular devices having molecular information," <i>Synthetic Metals</i> , 2003, 473-475, Vol. 133-134.	
	L30	SIJBESMA, Rint P. et al., "Reversible Polymers Formed from Self-Complementary Monomers Using Quadruple Hydrogen Bonding," <i>Science</i> , November 28, 1997, 1601-1604, Vol. 278.	
	L31	STROOCK, Abraham D. et al., "Synthesis of Free-Standing Quasi-Two-Dimensional Polymers," <i>Langmuir</i> , 2003, 2466-2472, Vol. 19:6.	
	L32	TIEKE, B. et al., "Polymerization of Tricosa-10,12-dienoic Acid in Multilayers," <i>Angew. Chem. Int. Ed. Engl.</i> , 1976, 764-765, Vol. 15:12.	
↓	L33	TILLMAN, Nolan et al., "Formation of Multilayers by Self-Assembly," <i>Langmuir</i> , 1989, 101-111, Vol. 5:1.	

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WPF	L34	VIANA, A.S. et al., "Electrochemical, spectroscopic and SPM evidence for the controlled formation of self-assembled monolayers and organised multilayers of ferrocenyl alkyl thiols on Au(111)," <i>Phys. Chem. Chem. Phys.</i> , 2001, 3411-3419, Vol. 3.	
	L35	WALKER, Caroline H. et al., "Synthesis and Size Control of Gold Nanoparticles Stabilized by Poly(methylphenylphosphazene)," <i>J. Am. Chem. Soc.</i> , 2001, 3846-3847, Vol. 123:16.	
	L36	WHALEY, Sandra R. et al., "Selection of peptides with semiconductor binding specificity for directed nanocrystal assembly," <i>Nature</i> , June 8, 2000, 665-668, Vol. 405.	
	L37	WHITLING, Jacqueline M. et al., "A Combinatorial and Informatics Approach to CdS Nanoclusters," <i>Adv. Mater.</i> , September 15, 2000, 1377-1380, Vol. 12:18.	
↓	L38	WUELFING, W. Peter et al., "Monolayer-Protected Clusters: Molecular Precursors to Metal Films," <i>Chem. Mater.</i> , 2001, 87-95, Vol. 13:1.	

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